

DEVELOPMENT OF TONOPAH MINES BEING CONDUCTED ON LARGE SCALE

Extensive Operations Under Way in Every Mine in the Camp

MONTANA MILL.
During the week the Montana mill crushed 1032 tons of ore, 781 tons coming from the company and 251 tons from the MacNamara. In the mine 129 feet of new development work was recorded.

396-foot level.—The raise on the Macdonald vein 300 feet west of the shaft has advanced eighteen feet. The top shows about three feet of quartz carrying low values. The east drift on the Triangle vein advanced fourteen feet and the vein now averages about four feet in width and carries a good grade of ore. During the past week work has continued in the two ends of the Triangle stope where the vein in the east end shows from twelve to eighteen inches of high grade milling ore, while in the west end the vein is three feet in width and of a good milling quality. No work was done in the central portion of the stope as that portion was being filled in preparatory to the resumption of extracting the ore.

465-foot level.—The east drift on the Triangle vein advanced twenty feet along the fault, but has not picked up the vein it was sent out to find. The south crosscut from the west drift advanced nineteen feet without encountering the vein it is looking for. During the week stopping continued on the Martha vein from a point 300 to 450 feet west of the shaft. The vein will average two feet of milling ore for that distance. The stope on the Macdonald vein 1000 feet west of the shaft is being continued with no change reported.

515-foot level.—A winze has been started on the big ore shoot on the Triangle vein and has gone down twelve feet during the week. The bottom shows about eighteen inches of good ore on the hanging wall side, while the "horse" of waste that exists between the Triangle and Martha veins forms the footwall. The east drift on the Martha vein advanced sixteen feet and the face shows about eighteen inches of milling ore. The west drift, which was extended only six feet, shows four feet of high grade milling ore. The winze on the south vein west of the shaft was sunk two feet and the crosscut north from the bottom of this winze was sent out six feet where the vein was shown to be cut off by a flat fault. A raise is being sent up from the level below to connect with this ore shoot.

565-foot level.—The drift west on the Martha vein advanced ten feet and the back shows eighteen inches of high grade ore which is cut off

by a flat fault. This drift is being driven along on the lower face of the fault. During the past week some very good ore has been broken from the south branch of the Martha vein along the stope on this level.

615-foot level.—A crosscut has been started west from the main south crosscut to reach a point under the winze sent down from the 515-foot level, and has advanced six feet. About two feet of good milling ore is being worked in the stopes on the Martha vein east of the shaft. The stope on the A B K vein above this level has about fifteen inches of high grade milling ore exposed for over a length of 100 feet. Stopping is being continued in two places on the Macdonald vein below the level.

BELMONT.
Several good strikes are promised in the near future from the Belmont as extensive development work is now under way. Throughout the property there has been no material change during the week and the extensive ore bodies are producing their usual amount of high grade. The Nevada vein on the 800-foot level is contributing its usual amount of shipping ore and has made no particular change in the size of the ledge or the character of the ore. The west stope on the South vein on the 900-foot level remains the same and the usual tonnage is being extracted.

1000-foot level.—The west drift from the South vein has been discontinued for the present and a crosscut has been started from this drift to intercept a parallel vein thought to exist to the south. This crosscut has cut a number of quartz stringers which average from six to eighteen inches in width and carry fair values. The south crosscut that was started from the footwall of the Mizpah vein shows a ledge in the face carrying good values. Drifting will be started at once to prove up the extent of this ledge. No change is reported in the stope on the 1009 west drift. The intermediate No. 2 drift from the 1056 winze shows about eight feet of good milling ore. This ledge is improving daily both in size and value. The east drift from the bottom of the winze which is at a point that corresponds with the 1100-foot level, shows drag quartz.

1100-foot level.—North crosscut No. 1 from 1054 winze shows about two feet of drag quartz of low values. The work of driving this crosscut was resumed during the week. The stopping on this level has been continued during the past week between the two faults on the west end of the

Mizpah vein which shows about five feet of drag quartz carrying good milling values. The main ledge is still intact and practically no stopping has been done on it. The south crosscut No. 1 from the Desert Queen shaft showed an advance of 201 feet for the past month and is now out a distance of 248 feet. The face continues to show early andecite.

TONOPAH MINING.
The big pump on the 1200-foot level of the Mizpah shaft, was started in earnest on Monday and has been running for about two hours daily since that time. While the capacity of the pump is 200 gallon a minute, the flow in the mine will only amount to about twenty-five gallons for the same length of time, and the two hours' run daily will completely empty the sump.

The workings of this company advanced 467½ feet during the week and of this amount 313 feet was done in the Mizpah, 121½ feet in the Silver Top and forty-two feet in the Red Plume. The Red Plume shaft is down 481 feet and after passing through the contact is once more in the porphyry formation.

Sinking was started at the bottom of the Mizpah shaft and the work will be rushed until the 1500-foot depth is reached, when extensive crosscutting will be started. The diamond drill which is being sent down from the 740-foot level of the Silver Top property advanced twenty-five feet during the week and is now down a total depth of 573 feet from this level. The caving spot encountered last week has been safely passed and with the aid of cement no further trouble has been experienced. The report states no change in the character of the ground being prospect.

Throughout the property there has been no particular change and every drift and crosscut remains the same. The ore bodies continue to keep up their strength and to produce the regular tonnage for shipping. The same extensive development work that has been under way for some time is being continued with numerous small stringers cut occasionally. The main point of interest is the sinking of the Mizpah shaft, on which all eyes have been turned, for when it has reached a point 1500 feet beneath the collar of the shaft, the greatest depth for any mine in this camp will have been attained and will prove the means of opening up a practically new district.

WEST END.
The general condition of this prop-

erty is looking a great deal better at the present and the operations throughout are opening up the ore bodies. The mine shipped during the week 135 tons of ore and the workings were extended ninety-six feet. The intermediate level stope continues to give a good amount of shipping ore and the ledge remains practically the same in size.

200-foot level.—The west lateral drift has been extended eleven feet for the week and is now in 404 feet from the main level with the face all in low grade ore. The stope seventy-five feet from the face of the drift has been cut out for a distance of fifty feet where the vein shows from two to four feet in width. Owing to the cutting out of the stope and the putting in of stulls, no work has been done in the winze from this level during the week, but sinking will be resumed during the coming week.

400-foot level.—No. 4 crosscut, which is 150 feet west of the shaft, has been advanced thirty feet and is now in thirty-four feet, where the face shows seams of quartz carrying good values. The main west drift has been advanced thirteen feet and is out a total distance of 117 feet in low grade quartz. No. 7 crosscut from the south crosscut. The face is at a point 120 feet east of the shaft has been extended seven feet during the week and is now in low grade quartz. The west lateral drift from No. 5 south crosscut, which is 375 east of the shaft has advanced twelve feet. The face shows three feet of quartz of good shipping values. No. 2 upraise at the north end of the west stope near the shaft is now up a distance of sixty-six feet above the level, an advancement of eight feet. The top is in a low grade quartz. No. 8 upraise, which is being sent up at a point 100 feet west of the shaft has been advanced twelve feet during the week and is now up fifty-four feet above the level with the top in good ore.

MACNAMARA.
The chief item of interest concerning the week's happenings at the MacNamara is the declaring of the second monthly dividend of 1 cent per share. This was declared last Saturday by the board of directors at their meeting in San Francisco. The dividend was made payable on April 5. It is the intention of the MacNamara officials to continue these payments as long as possible and from the general condition of the mine they will not cease for some time to come.

Excellent progress is being made throughout the mine in the development work and the shaft is being sunk as fast as possible. During the week it was extended twenty-eight feet, an average of four feet a day and is now down 112 feet below the 500 foot level, with no change in the formation, which continues to show dacite.

The ore shipments for the week averaged nearly a car a day or about 300 tons, which was sent to the Montana mill for treatment. The ore was extracted chiefly from the No. 5 stope on the 200-foot level, stopes Nos. 2, 4 and 6 from the 275-foot level and No. 9 stope on the 300-foot level. These stopes show considerable improvement over the last week's report and are producing some excellent ore.

MIDWAY.
This mine is shipping its usual amount of ore to the Belmont mill at Millers, which averages 100 tons a week. Throughout the mine, and especially on the 200, 300 and 400-foot levels the different drifts and crosscuts show very good indications of cutting new veins.

On the 600-foot level they are working in a new country to the north where numerous stringers have recently been cut. These stringers are quartz in composition and all carry fair values. Later on the company intends, after cutting through the Mizpah fault, to drift, sink and raise on these stringers with the hope

of opening up the ledge from which they have their origin. The main crosscut is in early andecite, which indicates the ore region. The work on this level is the most important being carried on in the mine at the present time and startling results should follow before long, as the territory now being prospected is practically virgin ground and all indications point to the uncovering of large ore bodies.

JIM BUTLER.
The continuance of the regular line of work that has been conducted for sometime in the Jim Butler has not resulted in any startling finds during the past week. All the work in the Stone Cabin shaft is still confined to the stopes which are producing the regular amount of good grade shipping ore. It is understood that a systematic course of development work will soon be laid out which will include exploitation work on a large scale in both the Stone Cabin and Wandering Boy shafts.

A METROPOLITAN CITY.
Carson City is now a full fledged metropolitan city. An ordinance prohibits the riding of bicycles on the sidewalks of that beautiful city. Surely Carson is forging ahead.

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